IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-24. (Canceled)

25. (Currently Amended) A fluctuation predicting device for time-sequence data ~~having ever-changing manner~~, said device comprising ~~means of~~:

~~(a)~~ holding/preserving means for holding/preserving theoretical models of correlation ~~function~~ functions of fluctuations for a plurality of ~~state of the~~ real time-sequence data ~~respectively~~;

~~(b)~~ acquiring means for acquiring sampling data by sampling a local portion of the real time-sequence data;

~~(c)~~ generating means for generating a real correlation function based on the sampling data;

~~(d)~~ selecting means for selecting one of the theoretical models of the ~~step (a) best matching to~~ holding/preserving means that best matches the real correlation function generated ~~in~~ from the ~~step (c),~~ generating means and judging one of the states regarding the real time-sequence data; and

indicating means for indicating a fluctuation of the real time-sequence data by using a relationship established between a pair of a first and a second parameter in selected one of the theoretical models in the selection means;

wherein the theoretical model of the correlation function is generated based on the following:

the real time-sequence data having an equilibrium point;

the equilibrium point is provided based on value and by multiplying the first parameter to a recent change value of the real time-sequence data; and

a value of the real time-sequence data after a time Δt is provided based on a value provided by multiplying the second parameter to a difference between a value of the real time-sequence data in a current time t and the equilibrium point.

26. (Currently Amended) A fluctuation predicting method for time-sequence data ~~having ever-changing manner~~, said method comprising the steps of:

~~(a)~~ holding/preserving theoretical models of correlation ~~function~~ functions of fluctuations for a plurality of ~~state of the~~ real time-sequence data ~~respectively~~;

~~(b)~~ acquiring sampling data by sampling a local portion of the real time-sequence data;

~~(c)~~ generating a real correlation function based on the sampling data;

~~(d)~~ selecting one of the theoretical models of the holding/preserving step ~~(a) best matching to~~ that best matches the real correlation function generated in the generating step ~~(c)~~, and judging one of the states regarding the real time-sequence data; and

indicating a fluctuation of the real time-sequence data by using a relationship established between a pair of a first and a second parameter in selected one of the theoretical models in the selection means;

wherein the theoretical model of the correlation function is generated based on the following:

the real time-sequence data having an equilibrium point;

the equilibrium point is provided based on value and by multiplying the first parameter to a recent change value of the real time-sequence data; and

a value of the real time-sequence data after a time Δt is provided based on a value provided by multiplying the second parameter to a difference between a value of the real time-sequence data in a current time t and the equilibrium point.

27. (Canceled)

28. (Currently Amended) ~~A~~ The fluctuation predicting method of ~~new claim 27~~ claim 26, wherein the theoretical model of the correlation function is generated based on the following:

a unique corresponding ~~relation is~~ relationship established between ~~a~~ the pair of the first and the second parameters and the correlation function.

29. (Currently Amended) ~~A~~ The fluctuation predicting method of ~~new claim 27~~ claim 26, wherein:

the real time-sequence data represents market price data ~~market price~~ of an open market;

the equilibrium point represents virtual equilibrium prices;

the first parameter represents a reciprocal number of market instability of

coefficients; and

the second parameter represents a price resilience coefficient.

30. (Currently Amended) A fluctuation predicting program for time-sequence data ~~having an ever-changing manner, getting information processing device work as means of:~~ stored in a memory operable to instruct a programmable processor to store data to a recording/reproducing medium, said program having the steps of:

~~(a)~~ holding/preserving theoretical models of correlation ~~function~~ functions of fluctuations for a plurality of ~~state of the~~ real time-sequence data ~~respectively~~;

~~(b)~~ acquiring sampling data by sampling a local portion of the real time-sequence data;

~~(c)~~ generating a real correlation function based on the sampling data;

~~(d)~~ selecting one of the theoretical models of the holding/preserving step ~~(a) best matching to~~ that best matches the real correlation function generated in the generating step ~~(c)~~, and judging one of the states regarding the real time-sequence data; and

indicating a fluctuation of the real time-sequence data by using a relationship established between a pair of a first and a second parameter in selected one of the theoretical models in the selection means;

wherein the theoretical model of the correlation function is generated based on the following:

the real time-sequence data having an equilibrium point;

the equilibrium point is provided based on value and by multiplying the first parameter to a recent change value of the real time-sequence data; and

a value of the real time-sequence data after a time Δt is provided based on a value provided by multiplying the second parameter to a difference between a value of the real time-sequence data in a current time t and the equilibrium point.